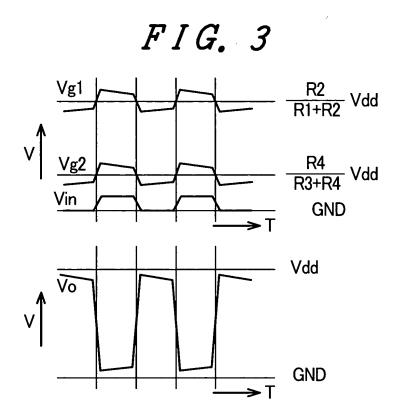
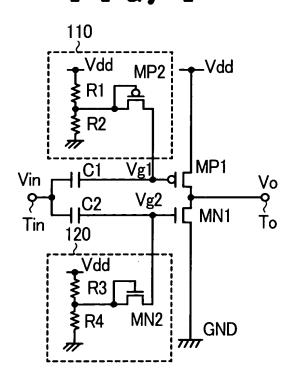
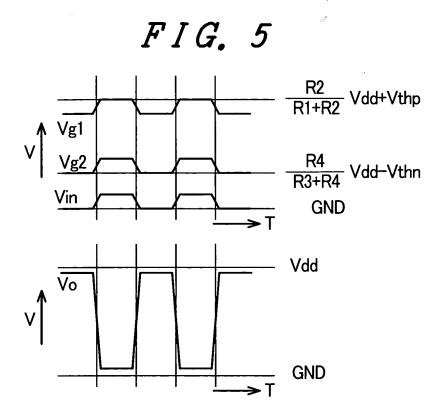


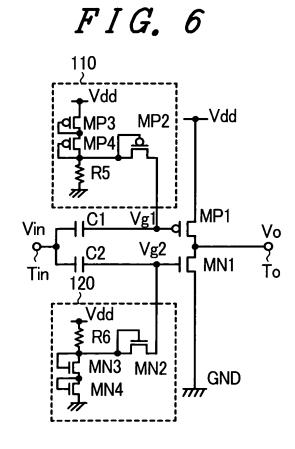
F I G. 2 110 Vdd \_Vdd **≹** R1 ₹ R2 C1 Vg1 MP1 Vin Vo C2 Vg2 γ− Tin MN1 120 Vdd ¥ R3 **≱** R4 **GND** 



F I G. 4







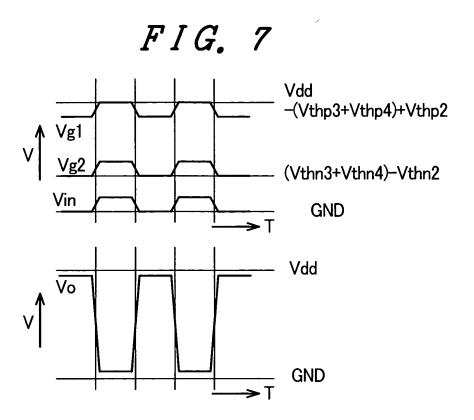


FIG. 8 110 Vdd \_Vdd raďWb3 MP4 MP1 Vin Vo Vg2 , MN1 Tin 120 Vdd MN5 MN3 GND

F I G. 9

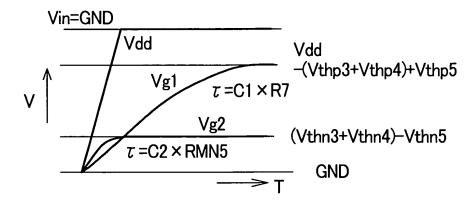


FIG. 10

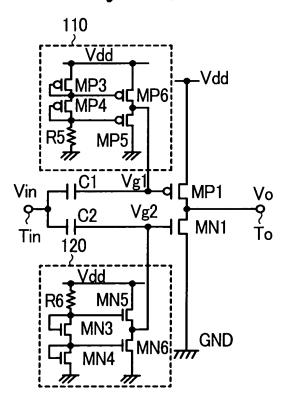
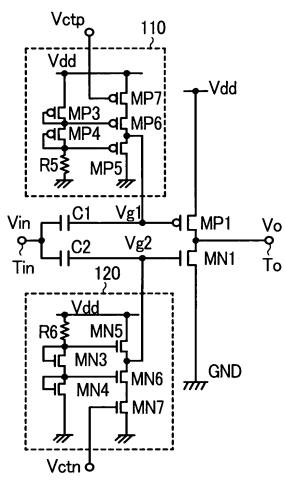


FIG. 11



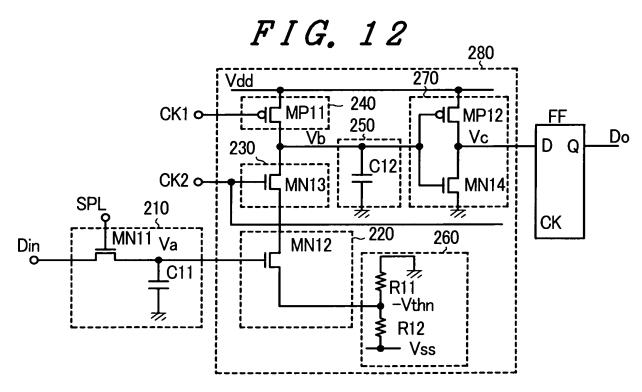
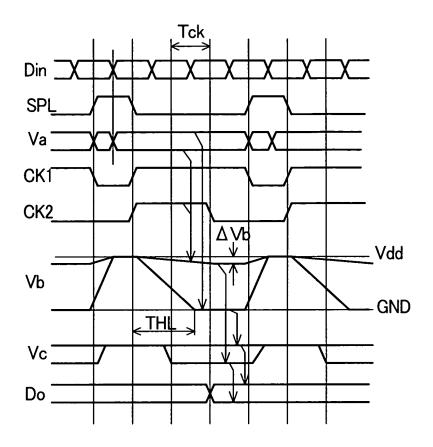


FIG. 13



$$\Delta Vb = \frac{Ioff(MN12) \times 2Tck}{C12}$$

$$THL = \frac{C12 \times Vdd}{Ion (MN12)}$$

